

Title (en)

TWIN-CONTACT CHIP CARD AND COMMUNICATION METHOD WITH A CARD READER

Title (de)

IC-KARTE MIT ZWEI KONTAKTEN UND DATENAUSTAUSCHVERFAHREN ÜBER EINEN KARTENLESER

Title (fr)

CARTE A PUCE A DEUX CONTACTS ET PROCEDE DE COMMUNICATION AVEC UN LECTEUR DE CARTE

Publication

EP 0788636 B1 19981007 (FR)

Application

EP 93904118 A 19930126

Priority

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- FR 9201038 A 19920130

Abstract (en)

[origin: WO9315477A1] The invention relates to chip cards. There is disclosed a chip card (12) with only two contacts intended both to information exchanges (instructions and data) between the card (12) and a card reader and to the power supply of the card (12). According to the invention, the contacts are preferably a clock contact (CLK) used to the synchronization of data and instructions, and a data input/output contact (I/O) used to the transmission of data and instructions from the reader to the card (12) and to the transmission of data from the card (12) to the reader. For the power supply, a full-wave rectifier (bridge of diodes) may be arranged between the two contacts (CLK; I/O). The invention also relates to the communication protocole which allows to use only two contacts (CLK; I/O) while having instructions similar to those of conventional chip cards (initialization of the card, address incrementation of memory cell, reading of the cell, writing, comparison of a confidential code).

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